

Chemistry
Ticket Out the Door
Set 4 Conversions

Name _____ Period _____

Skill 4.01 Exercise 1
Complete the following conversions
7.98 mL to L (1 L = 1000 mL)
3.32 cL to L (1 L = 100 cL)
1.23 kg to g (1000 g = 1 kg)
5 inches to centimeters (2.54 cm = 1 in)
15 oz to cups (1 cup = 8 oz)

Skill 4.01 Exercise 2
Complete the following conversions
100 ft ² to inches ² (12 in = 1 ft)
100 cm ³ to inches ³
10 cm ² to m ² (100 cm = 1 m)

Skill 4.02 Exercise 1
Complete the following conversions
100 ft to cm (12 in = 1 ft) (2.54 cm = 1 in)
100 cm to ft
10 cm ² to yds ² (100 cm = 1 m) (1.09 yrd = 1 m)

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Skill 4.03 Exercise 1

Given the following data,

Length = 10. cm

Width= 16 cm

Height=21. cm

Mass = 30.00 g

(a) calculate the density of the block of wood

(b) What is the density in Kg/m^3 ?

(c) What is the density in lbs/in^3 ? (1 lb=0.4536 kilograms; 1 in=2.54 cm)

Skill 4.03 Exercise 2

The density of water is 1.00 g/mL. What is the density in kg/cm^3 ?

Skill 4.04 Exercise 1

Convert the following:

72°C to K

178 K to °C

-12°C to K

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